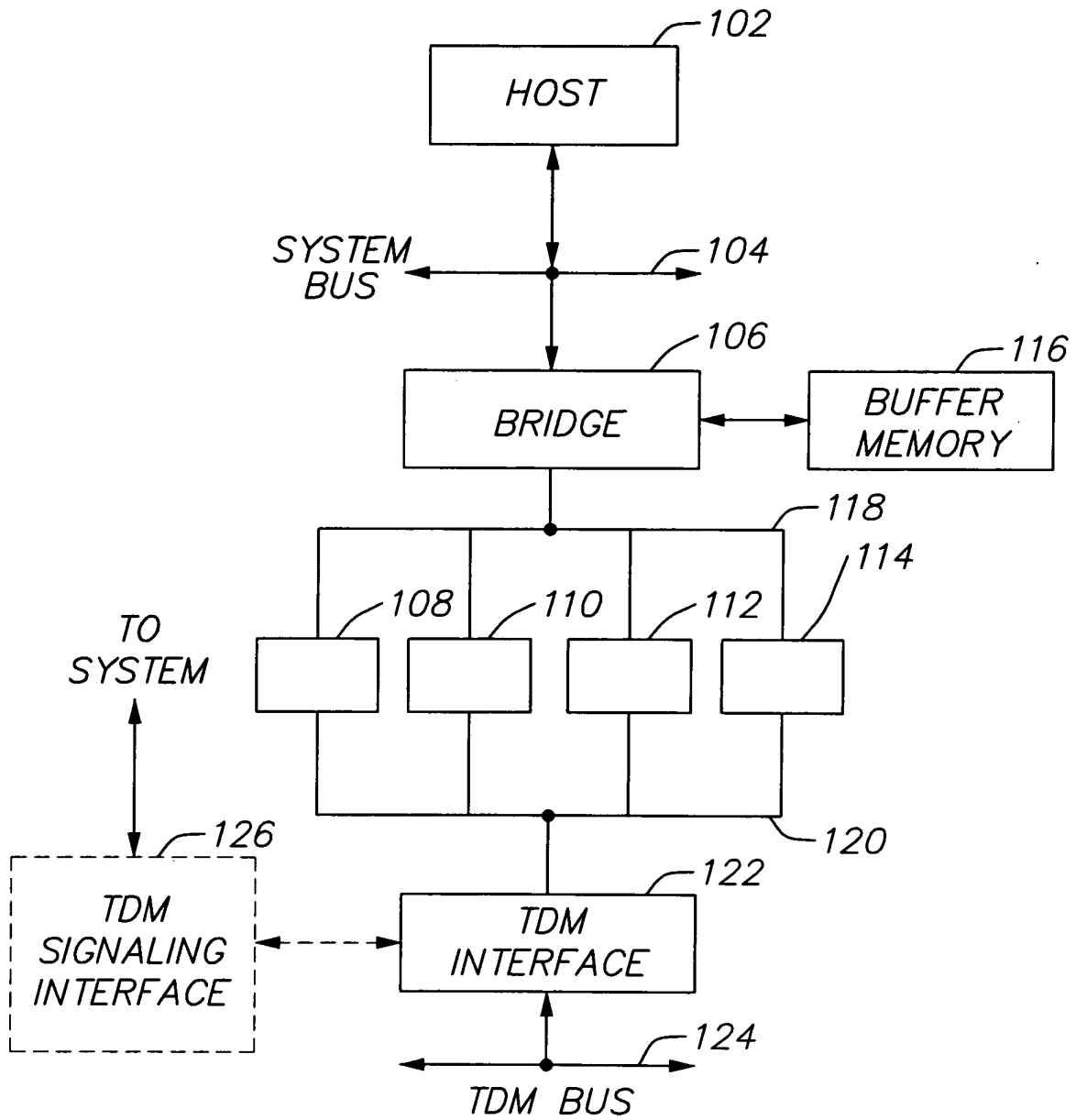
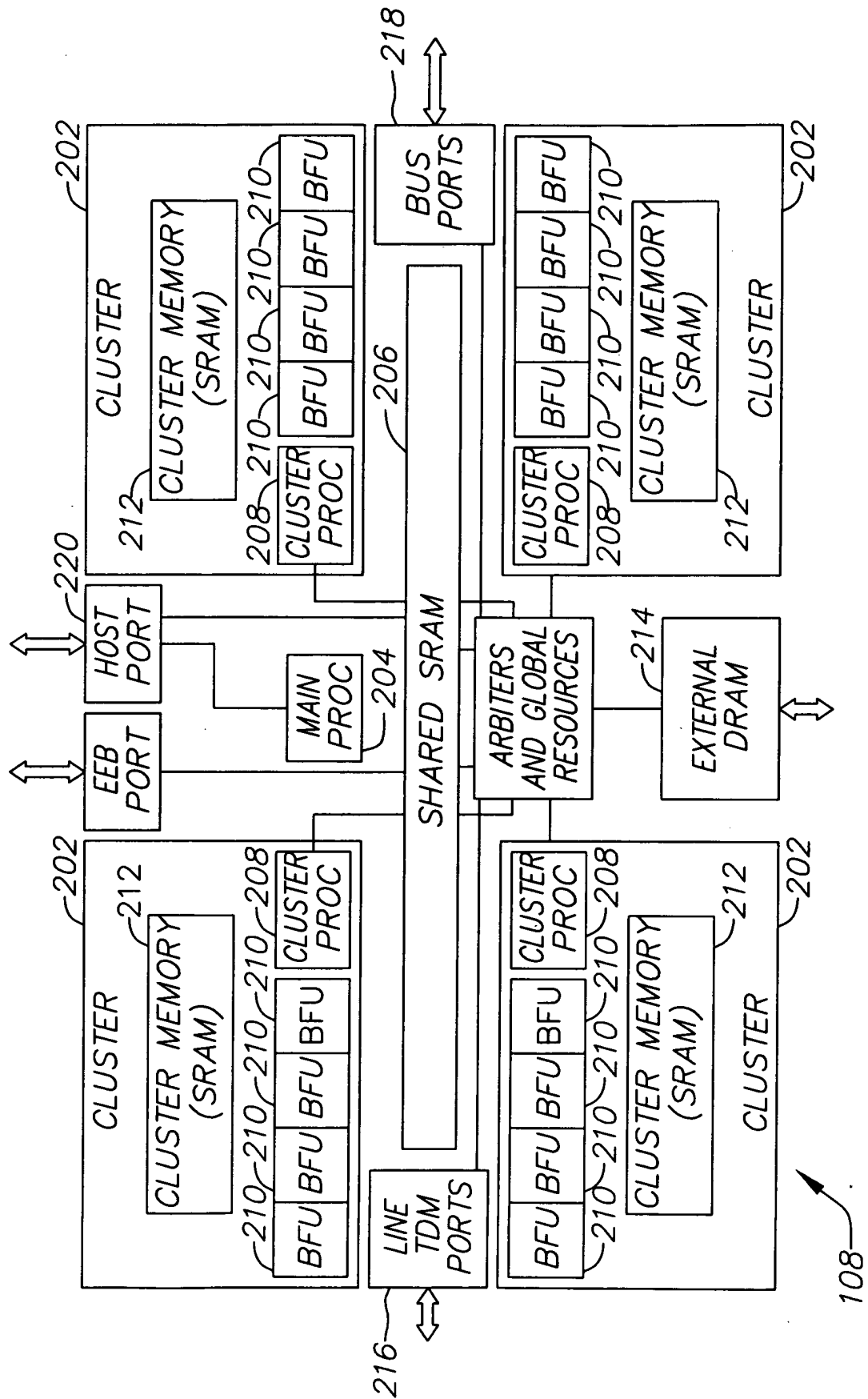


*FIG. 1*



100

FIG. 2



**FIG. 3**

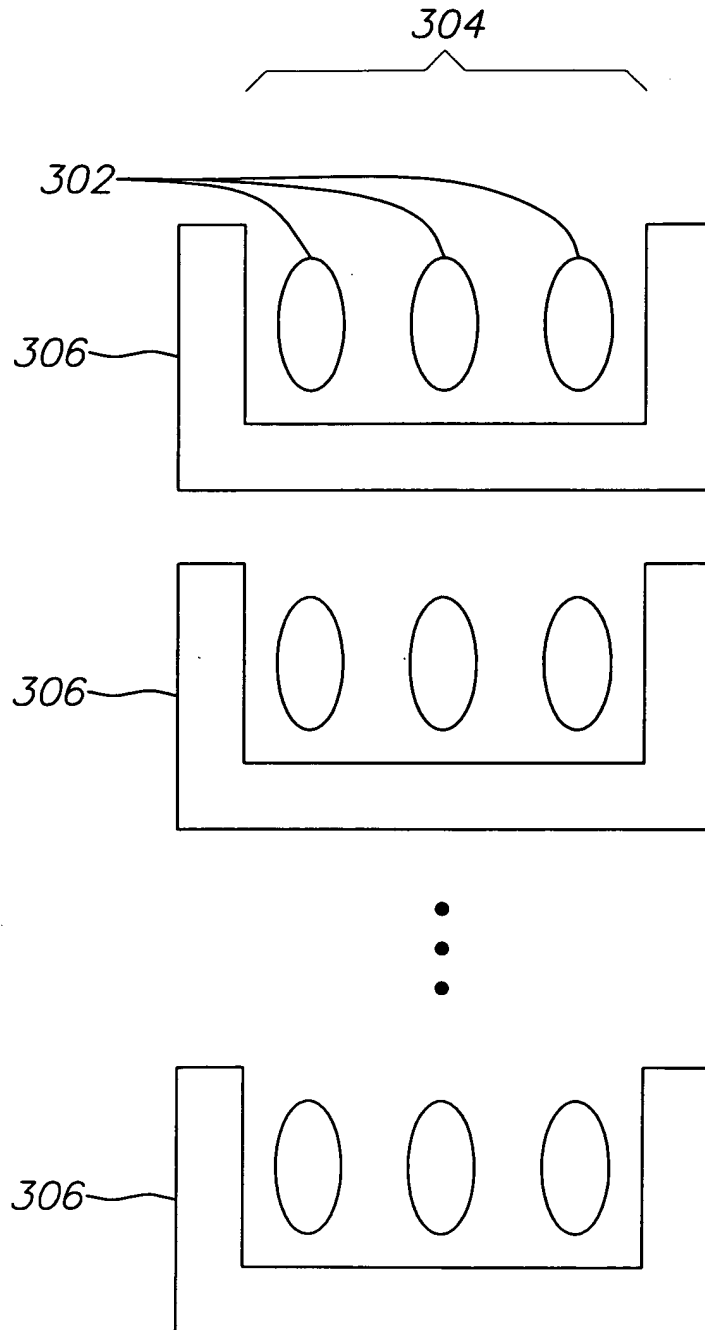


FIG. 4A

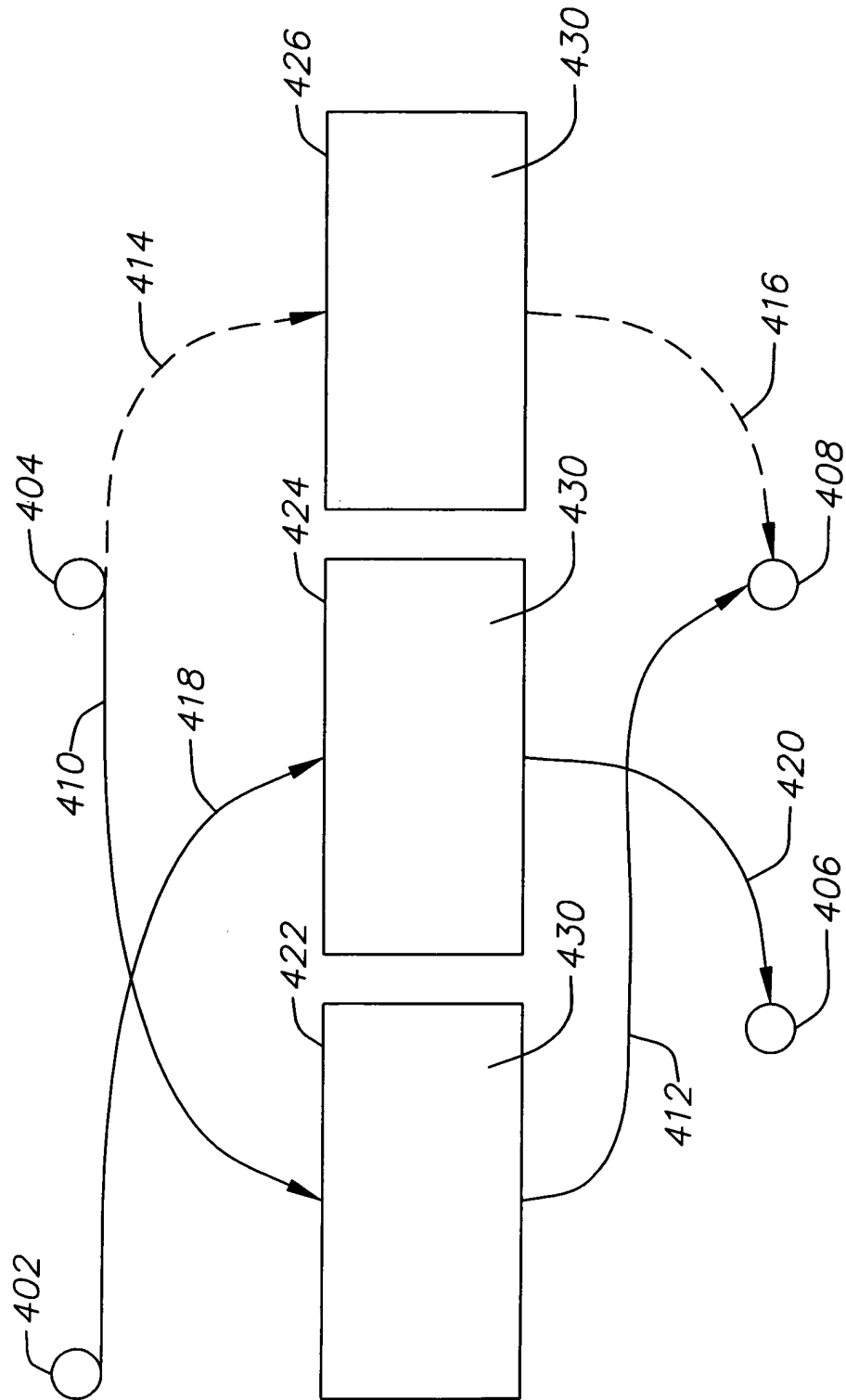
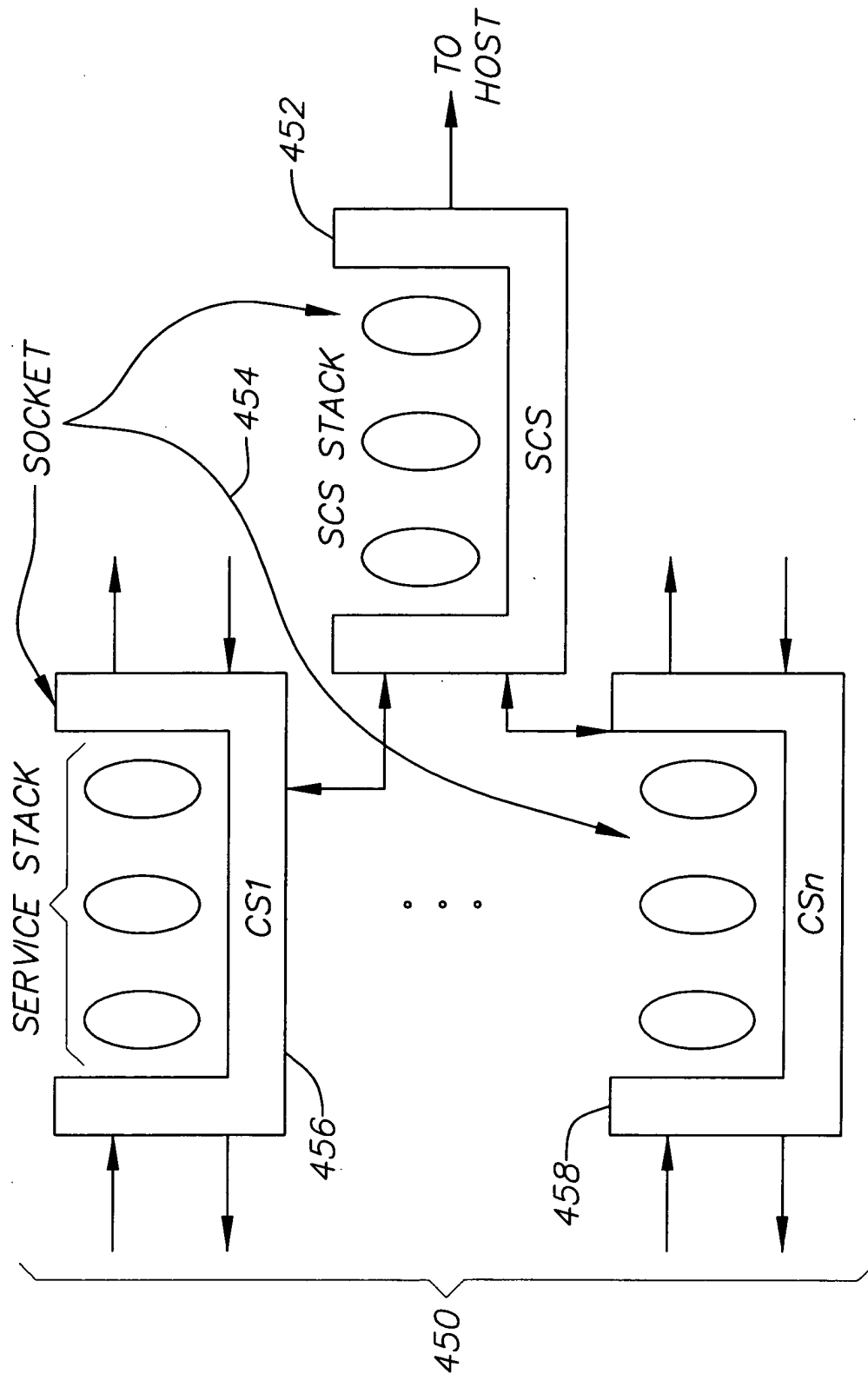
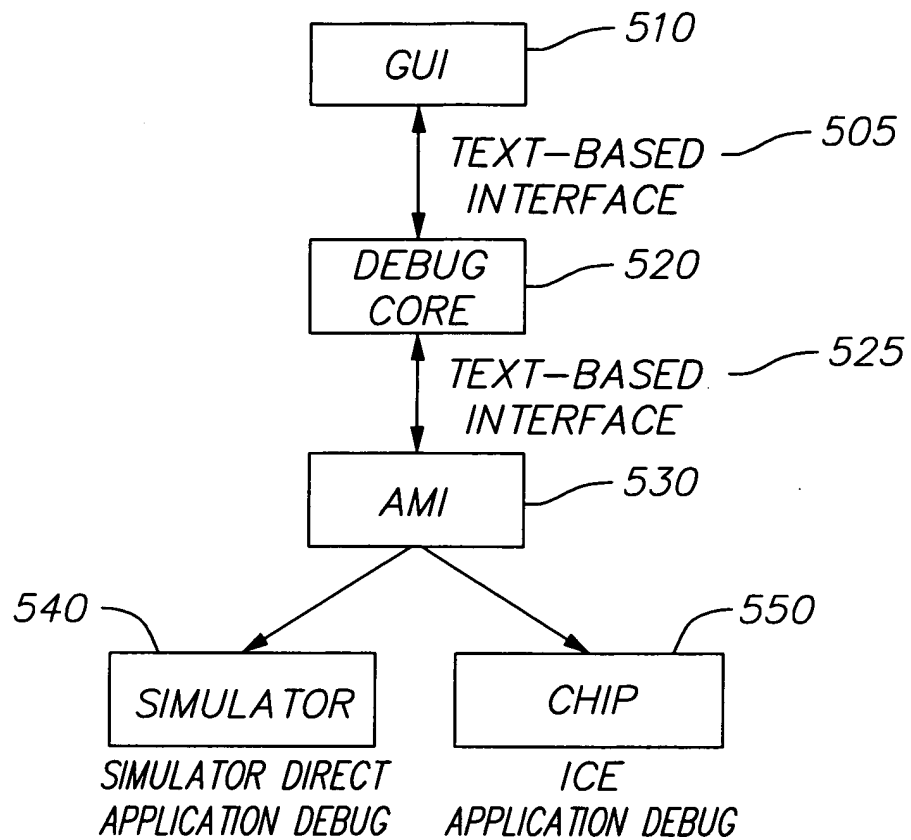


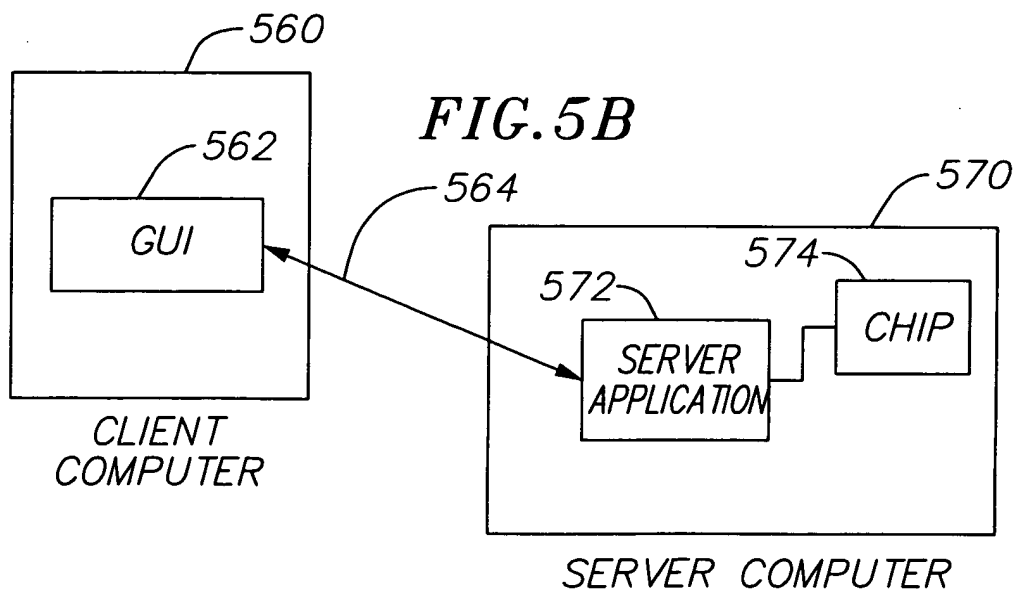
FIG. 4B



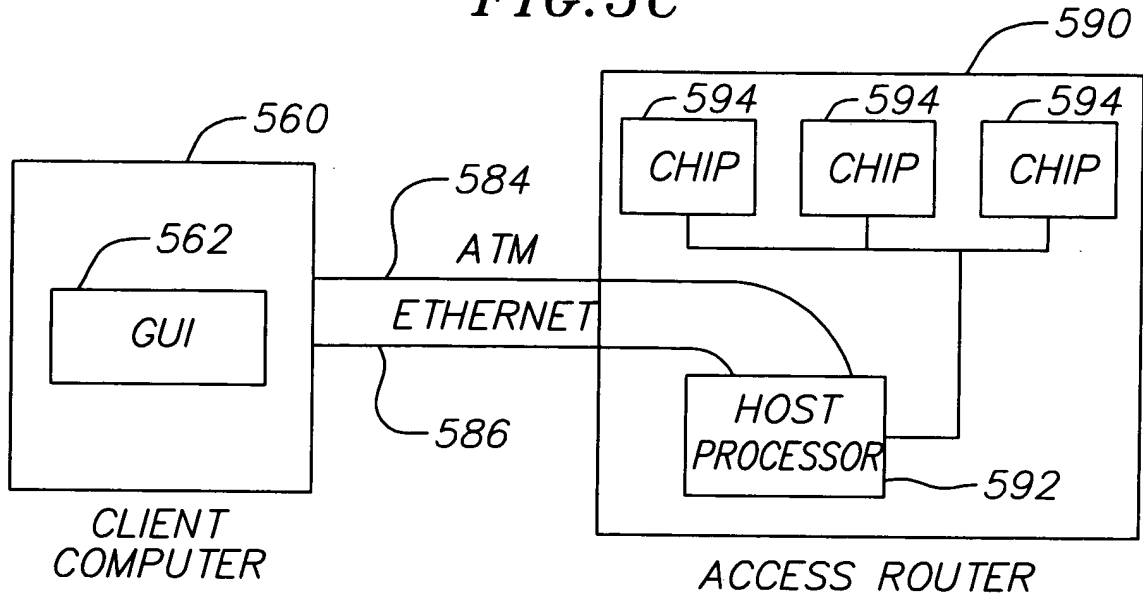
**FIG. 5A**



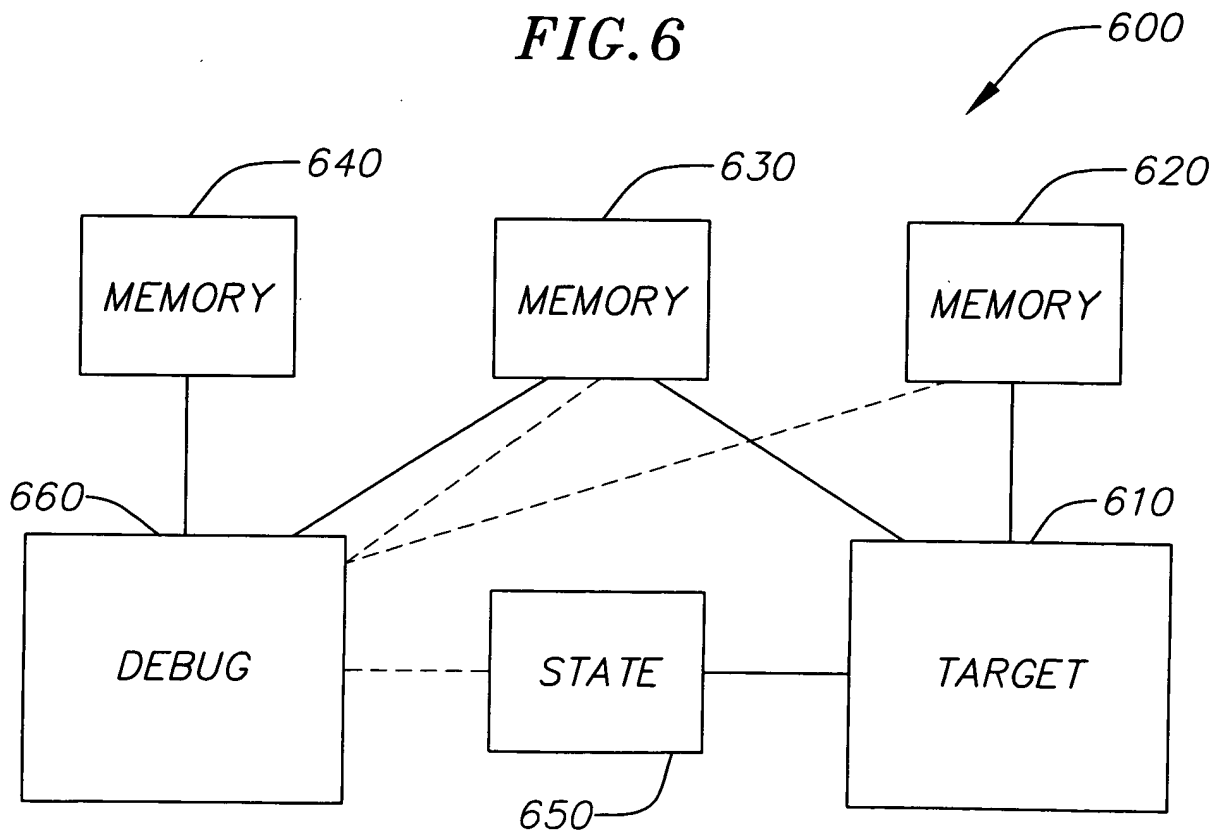
**FIG. 5B**



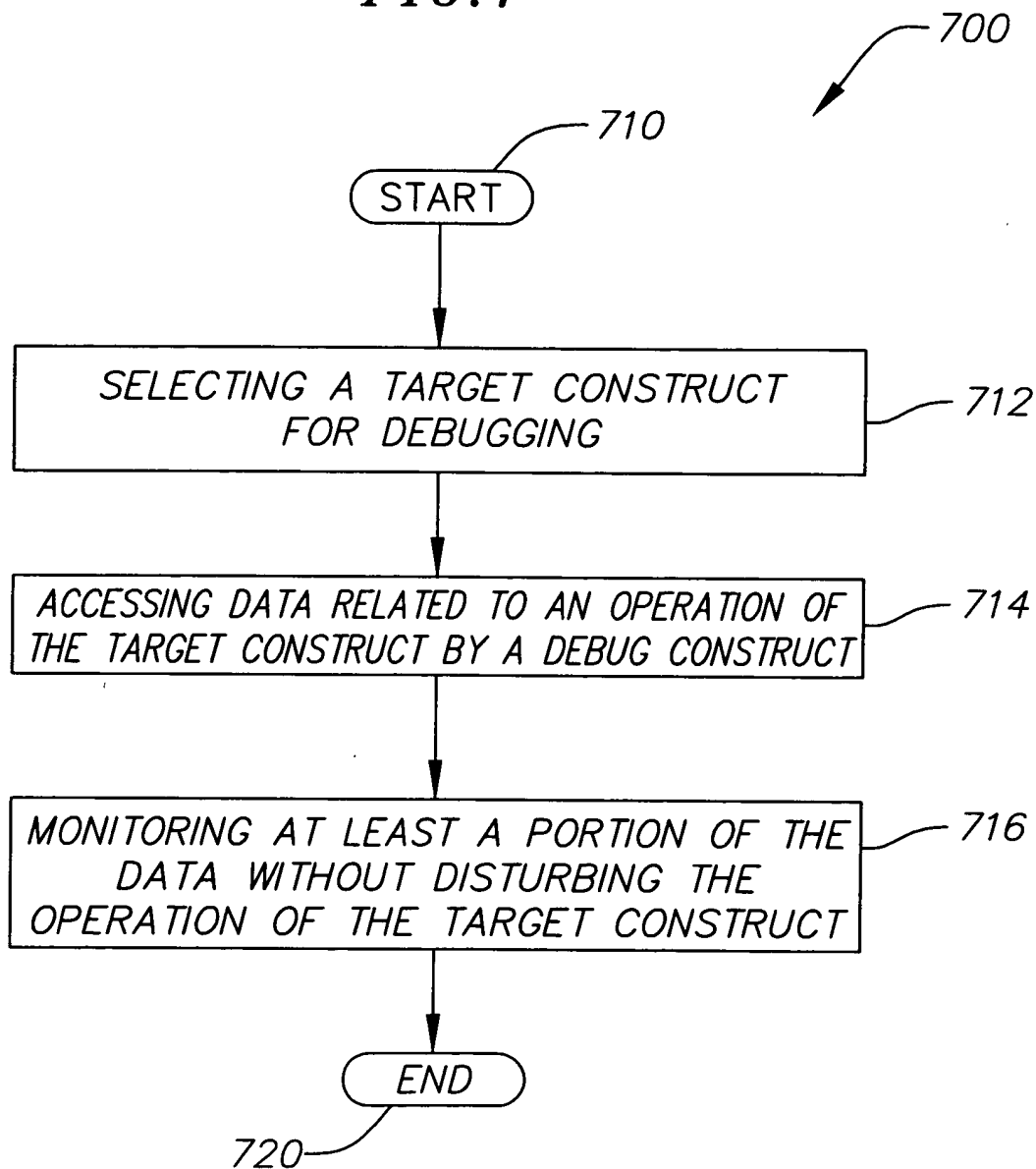
**FIG. 5C**



**FIG. 6**



*FIG. 7*





*FIG. 8*

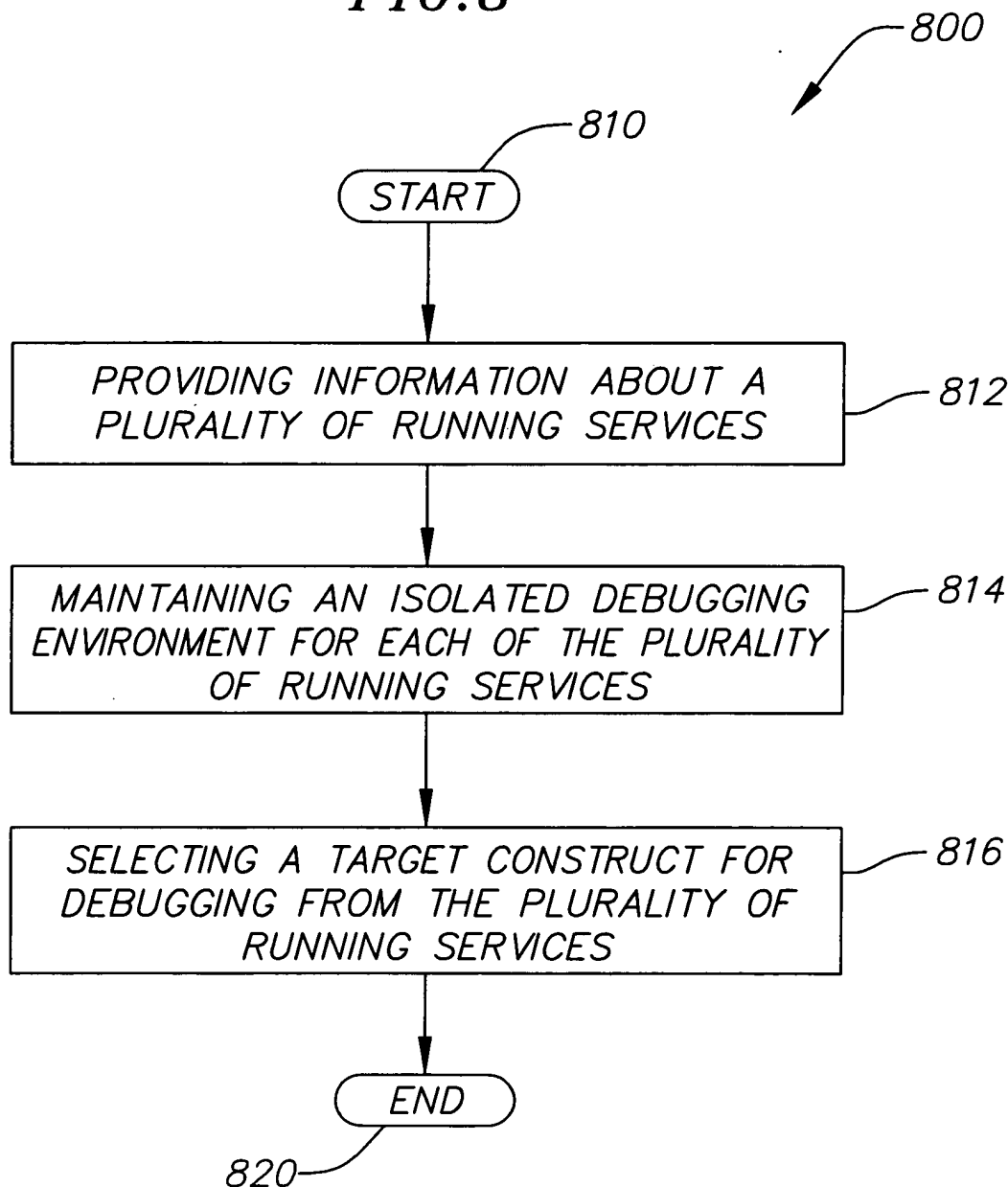


FIG. 9

SPICE RACK
FILE EDIT VIEW DEBUG REPLAY WINDOW HELP

☐ Processes  
☒ Modem Channels  

☐ 1-10  
☐ 11-20  
☐ 21-30  
☐ 31-40  
☐ 41-50

☐ Voice Channels  

☐ 1-10  
☐ 11-20  
☐ 21-30  
☐ 31-40  
☐ 41-50

☐ Other Processes  

☐ Web Server  
☐ Diagnostics  
☐ Profiler  
☐ Visualization  
☐ Other

1f (EXTRA\_UNROLL)  
pragma options add unrollcoat 60  
endif  
Word16 i, f;  
Word16 hi, lo;  
Word16 Kh, Ki;  
Word32 alp\_h, alp\_l, alp\_exp;  
Word32 L\_acc0, L\_acc1, L\_acc2;  
Word16 Ah(N\_LPP1), Ai(N\_LPP1);  
=unstable = 0;  
// K = A(1) = -R(1), R(0)  
L\_acc1 = ((Word32) Rh(1) << 16) = ((Word32) R1(1) << 1);  
L\_acc2 = (L\_acc1 < 0L) ? -L\_acc1 : L\_acc1;  
L\_acc0 = Div32(L\_acc2, Rh(0), R1(0));  
L\_acc0 = (L\_acc1 > 0L) ? -L\_acc0 : L\_acc0;  
Kh = (Word16) (L\_acc0 >> 16);  
Ki = (Word16) ((L\_acc0 & 0xffff) >> 1);  
re(0) = Kh;  
L\_acc0 = (Word32) Kh = (Word32) 4096;  
L\_acc0 += (((Word32) Ki = (Word32) 4096) << 1) >> 16);  
Ah(1) = (Word16) (L\_acc0 >> 16);  
Ai(1) = (Word16) ((L\_acc0 & 0xffff) >> 1);  
// Alpha = R(0) = (1-K==2)  
L\_acc0 = ((Word32) Kh = (Word32) Kh;  
L\_acc1 += (((Word32) Kh = (Word32) Ki) << 1) >> 14);  
L\_acc0 += L\_acc1;  
L\_acc0 += L\_acc1;  
// K = K will always be -ve but the original ITU-T takes the at  
L\_acc0 = (L\_acc0 > 0L) ? -L\_acc0 : L\_acc0;  
L\_acc0 = (Word32) 0x7fffffL - L\_acc0;  
hi = (Word16) (L\_acc0 >> 14);  
lo = (Word16) ((L\_acc0 & 0xffff) >> 1);  
L\_acc0 = (Word32) Rh(0) = (Word32) hi;  
L\_acc0 += (((Word32) Rh(0) = (Word32) lo) << 1) >> 16);  
L\_acc0 += (((Word32) R1(0) = (Word32) hi) << 1) >> 16);  
L\_acc0 = L\_acc0 << 1;  
// Normalize Alpha  
Note that since K / 1 0, K==2 will always be < 1 0  
Thus 1 - K==2 is always a +ve number. Also R(0) which  
is the energy of the signal is always a +ve number. Therefore  
BFLU: Lehman (Word16 = 0x00665374, Word16 = 0x00665394, Word16 = 0x00665414, Word16 = 0x00665434, Flag  
Cluster 4 - Tensilica: unknown (...)

Name	Value
Ah(1)	0x013f
Ai(7)	0x6480
Anh(0)	0xfffe
Ani(3)	0xcdcd

Name	Value
1	0x0000
hi	0x0000
lo	0x7425
Kh	0x2481
Kh	0x00638828

Name	Value
0000c0	5ed22836
0000c4	43301850
0000c8	580a3b07
0000cc	1b598f6

Registers Window	Loc. values
00	479c2c21 32826ec1 6a541359 7ef
04	17d74ce5 105d3339 034627f1 7f6
08	3d490816 20b46ef5 72533e89 54e
0c	5e282b93 386e63bd 189d1041 767
10	2a10668f 41de54bb 68315e5e 0c2
14	42520ddd 703b7f53 5fe74347 3dc
18	60240276 6c7b2ef2 4c695221 408
1c	7f741157 06272183 26780528 605
20	3ef66ae2 07595535 36093eff 51b
24	0cee301c 754056fb 26c37f2d 6e9
28	238f57b0 40e0210b 6c83489f 2eb
2c	55806dee 4e500960 77d97024 141